Samuel Vespalec

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SUMMARY

Backend Engineer specializing in anti-cheat and security solutions, with 7+ years of experience developing sophisticated detection systems and enterprise-level applications using Python and C++.

SKILLS

C, C++, Python, JavaScript, TypeScript, SQL, Flask, FastAPI, MongoDB, Git, Docker, GitHub, Visual Studio, Linux, CI/CD, GitHub Actions, NGINX, Caddy, Redis, PostgreSQL, Express.js, Node.js, CMake, MSVC, WDM

WORK EXPERIENCE

AuraSide Inc.   **May 2025 - Present**
Backend Engineer   *Remote*
- Developed a C++ game manager detecting games across 10+ platforms (Steam, Epic, Xbox, etc.) with auto-launch and presets.

CyberPatriot   **Nov 2018 - Feb 2019**
Team Member   *Burnaby, Canada*
- Engineered solutions for complex security flaws and system misconfigurations.
- Developed and executed team-wide action plans, securing top 50 placement out of thousands of participating teams.

Delta Studios LLC   **Apr 2022 - Sep 2022**
Backend Engineer   *Remote*
- Crafted innovative checks to secure the JVM and detect anomalies in player behavior.
- Innovated unique detections to combat macro/input automation.

PROJECTS

Nexus Shield   **Oct 2024 - Dec 2024**
https://github.com/svespalec/NexusShield
- Advanced malware detection system combining manual and LLM analysis using Google Gemini with a custom PE parser.

Empress   **Jan 2025 - Jan 2025**
https://github.com/svespalec/Empress
- Header-only C++ library preventing debugger attachment via Windows Job Objects memory limits.

FastAPI Enterprise Template   **Jan 2025 - Jan 2025**
https://github.com/svespalec/FastAPI-Enterprise-Template
- Enterprise FastAPI template designed for modern development teams who need a robust, scalable foundation for their next API.

EDUCATION

Cisco Networking Academy   **Sep 2018 - Jun 2020**
Comprehensive training in network infrastructure, security protocols, and enterprise networking solutions

PaloAlto Cybersecurity Academy   **Sep 2019 - Jun 2020**
Specialized training in threat prevention, network security, and cybersecurity best practices

CERTIFICATIONS

CompTIA A+
Industry-standard certification validating comprehensive IT hardware and software troubleshooting skills.

CompTIA Network+
Professional certification demonstrating expertise in designing, implementing, and maintaining network infrastructure.

CompTIA Security+
Advanced certification verifying proficiency in cybersecurity concepts, threat detection, and risk mitigation.

Palo Alto PCCET
Entry-level certification showcasing fundamental knowledge of cybersecurity principles and network security operations.